

# **ASBESTOS CONTAINING MATERIALS SURVEY**

*of the*

**Hope Lighthouse Ministries (HLM) Buildings  
444 Irwin Avenue  
Muskegon, Michigan**

*Prepared for:*

City of Muskegon  
933 Terrace Street  
Muskegon, Michigan

*For use by:*

Foundation Real Estate, LLC

*Prepared by:*

Horizon Environmental  
4771 – 50<sup>th</sup> Street, S.E., Suite One  
Grand Rapids, Michigan 49512

January, 2012

*MUS-1401*

## ***TABLE OF CONTENTS***

	<b><i>PAGE</i></b>
1.0 INTRODUCTION	1
2.0 BUILDING INFORMATION	1
2.1 Building 1	1
2.2 Building 2	2
3.0 SCOPE OF WORK	2
4.0 RESULTS	3
4.1 Floor Tile and Floor Tile Mastic	3
4.2 Pipe Insulation	4
5.0 CONCLUSIONS	4

### ***TABLE***

- 1 Summary of Asbestos Analytical Results

### ***FIGURES***

- 1 Site Map
- 2 Asbestos Sample Locations - Buildings 1 and 2, First Floor
- 3 Asbestos Sample Locations - Buildings 1 and 2, Second Floor
- 4 Asbestos Sample Locations - Buildings 1 and 2, Third Floor
- 5 Asbestos Sample Locations - Buildings 2, Basement

### ***ATTACHMENT***

- 1 Analytical Report and Chain-of-Custody

## **1.0 INTRODUCTION**

Horizon Environmental Corporation (Horizon) performed an asbestos containing materials (ACM) survey of the Hope Lighthouse Ministries (HLM) buildings located at 444 Irwin Avenue in the City of Muskegon, Muskegon County, Michigan. The survey was conducted by Horizon accredited asbestos building inspector David Bandlow (State of Michigan Accreditation Number A37620) and Liz Bartz on December 21, 2011. This survey was performed to meet requirements specified in the National Emission Standards for Hazardous Air Pollutants (NESHAP; 40 CFR Part 61, Subpart M), and in accordance with the *Sampling and Analysis Plan: Asbestos Containing Materials* prepared by Horizon for the City of Muskegon, Community and Economic Development Department dated December 13, 2011. This asbestos survey included a visual inspection, sampling, and analysis of building materials in all areas of the HLM buildings to identify ACMs.

## **2.0 BUILDING INFORMATION**

The HLM buildings include two attached 3-story buildings totaling approximately 105,000 square feet. A site layout map is depicted on Figure 1. The eastern-most building is referred to as Building 1 and includes a 1-story warehouse attached to the north. The western-most building is referred to as Building 2 and includes an enclosed truck dock to the north and a partial basement. Between the two buildings is an enclosed walkway providing access to the first, second, and third floors.

The property has recently been used as offices, a thrift store, and a ministry for HLM. An electrical supply company (i.e., Fitzpatrick Electric) previously operated on the property. The buildings are brick and block construction on a poured concrete foundation with wooden columns, joists, and trusses making up the structural support members of the buildings. Corrugated metal siding has been placed over the exterior walls and the roof is covered with a black synthetic rubber membrane.

### **2.1 BUILDING 1**

The first floor of Building 1 has a concrete subfloor, wooden or block walls, and a wooden ceiling. It is largely open warehouse space; however several offices exist on the south end of the building with drywall walls, compressed fiber panel walls, and drop ceilings. Floor tile is present on the south end of the warehouse space of Building 1, and in some areas two layers of floor tile are present. In the office space, carpet is present above the floor tile. Yellow carpet mastic from previously removed carpet is present over floor tile in some areas. Pipes observed throughout Building 1 were either not insulated or were insulated with fiberglass. Certain windows throughout Building 1 have individual panes held in place with window caulk. On the north side of Building 1 there is an approximately 4,000 square foot attached warehouse composed of concrete floors and metal walls with sprayed-on insulation.

The second floor of Building 1 is primarily office space. There is a wooden subfloor overlain with carpet or tile, drywall or wooden walls, and a wooden ceiling present throughout. The bathrooms contain ceramic tile and drop-ceiling tile. Baseboard is present on the base of several walls.

The third floor of Building 1 is warehouse space. The floors, ceiling, and support members are wood. The walls are composed of brick or drywall. There is a heating and cooling equipment room located near the northwest corner of the third floor of Building 1. The equipment room has drywall and brick walls, and a black floor coating is present overlying a wooden subfloor.

## **2.2 BUILDING 2**

The first floor of Building 2 was used as the ministry and as warehouse space. Walls are brick or block, floors are wood or concrete, and the ceiling and support members are wood. There is a truck dock attached to the north end of Building 2. In the northeast corner of the first floor, there is an office and men's bathroom with drywall walls, floor tile, and drop-ceiling tile. Above the drop-ceiling in the men's bathroom is an 8 to 10 lineal foot section of 5 inch pipe insulated with non-fiberglass material. All other piping in Building 2 is insulated with fiberglass or is not insulated. Windows throughout Building 2 have individual panes held in place with window caulk.

The second and third floors of Building 2 are warehouse space. The floors, ceiling, and support members are wood. The walls are primarily composed of brick. Window caulk was the only suspect ACM observed on these floors.

The basement of Building 2 has a concrete floor, poured concrete and block walls, wooden structural supports, and a wooden ceiling. Sections of piping in the basement are insulated with fiberglass. On the west side of the basement there is a small mechanical room with a white insulating material located between the wooden walls.

## **3.0 SCOPE OF WORK**

The ACM survey consisted of a visual inspection of the buildings and collection of 45 representative samples (57 total layers) of suspect ACMs, including floor tile, floor tile mastic, carpet adhesive, window caulk, drywall and drywall mud, ceiling tile, pipe wrap and insulation, baseboard and baseboard adhesive, floor coatings, and miscellaneous material. Samples were collected using a utility knife, needle-nosed pliers, hammer and chisel. Each sample was placed into a sealable plastic bag and labeled based on the sample location with the following nomenclature:

FE-ACM-B1-F1-# (Fitzpatrick Electric-ACM-Building 1-Floor 1-sample #)  
FE-ACM-B1-F2-# (Fitzpatrick Electric-ACM-Building 1, Floor 2-sample #)  
FE-ACM-B1-F3-# (Fitzpatrick Electric-ACM-Building 1, Floor 3-sample #)  
FE-ACM-B2-B-# (Fitzpatrick Electric-ACM-Building 2, Basement-sample #)

FE-ACM-B2-F1-# (Fitzpatrick Electric-ACM-Building 2, Floor 1-sample #)  
FE-ACM-B2-F2-# (Fitzpatrick Electric-ACM-Building 2, Floor 2-sample #)  
FE-ACM-B2-F3-# (Fitzpatrick Electric-ACM-Building 2, Floor 3-sample #)

Samples were submitted under chain-of-custody control to Fibertec Industrial Hygiene Services (Fibertec) in Holt, Michigan and analyzed for Polarized Light Microscopy (PLM) evaluation for asbestos. A copy of the laboratory report and chain-of-custody is included as Attachment 1.

## **4.0 RESULTS**

All of the sample locations are shown on the attached figures, and samples that contained asbestos are highlighted in red. Any material that contains more than one percent (1%) asbestos is considered an asbestos-containing material and is subject to regulation as an ACM. The figures are separated by floor in the following manner:

Figure 2 – Buildings 1 and 2, First Floor  
Figure 3 – Buildings 1 and 2, Second Floor  
Figure 4 – Buildings 1 and 2, Third Floor  
Figure 5 – Building 2, Basement

Homogeneous material sample descriptions and percent of asbestos detected are shown on Table 1. The only building materials found to contain asbestos were floor tile, floor tile mastic, and pipe insulation. The roofing material was not sampled in order to preserve the integrity of the roof; however, based on the age of the building it is possible that asbestos containing asphaltic roofing material is present underneath the synthetic rubber roof membrane.

### **4.1 FLOOR TILE AND FLOOR TILE MASTIC**

As shown on Figure 2, asbestos containing floor tile and floor tile mastic were discovered in the southern portion of the first floor of Building 1. In this portion of the building, gray 12 by 12-inch floor tile overlies a second layer of what appeared to be brown 12 by 12-inch floor tile. Both the top and bottom (i.e., gray and brown) layers of floor tile were found to contain between 2% to 4% asbestos. The black mastic associated with the floor tiles was also found to contain 2% to 4% asbestos. Both layers of floor tile are secured to their respective substrate with black mastic. A summary of the floor tile and mastic samples that contain asbestos is as follows:

<b>Sample No.</b>	<b>Building Material</b>	<b>Sample Location</b>	<b>Percent Asbestos</b>
FE-ACM-B1-F1-02		North of office 1	
Layer 1	12"x12" gray floor tile		2%
Layer 2	Black mastic		2%

<b>Sample No.</b>	<b>Building Material</b>	<b>Sample Location</b>	<b>Percent Asbestos</b>
FE-ACM-B1-F1-06 Layer 2	Black mastic	North of front entry	2%
FE-ACM-B1-F1-07 Layer 1 Layer 2	12"x12" brown floor tile Black mastic	North of front entry	3% 4%
FE-ACM-B1-F1-45 Layer 1 Layer 2	12"x12" brown floor tile Black mastic	North of receptionist raised platform	4% 2%

Floor tile and mastic sampled from other areas in the HLM buildings did not contain asbestos. Assuming that the asbestos containing floor tile and mastic is limited to the first floor of Building 1, there are approximately 8,000 square feet of ACM floor tile and mastic, of which approximately 3,200 square feet is double-layered floor tile.

## **4.2 PIPE INSULATION**

On the first floor of Building 2, a small section of piping was found to be insulated with suspect ACM. The pipe is a 5 inch water line located above the drop-ceiling in the northeast corner men's bathroom, with approximately 8 to 10 lineal feet of insulation. The insulating material is a combination of fabric pipe wrap and mudded fittings. A depiction of the sample location is provided as Figure 2. The sample of pipe wrap did not contain asbestos; however, the mudded fitting sample that was collected contained 8% asbestos.

<b>Sample No.</b>	<b>Building Material</b>	<b>Sample Location</b>	<b>Percent Asbestos</b>
FE-ACM-B2-F1-30	Pipe insulation	Men's restroom	8%

There are approximately 4 asbestos-containing mudded fittings located above the bathroom on the first floor of Building 2.

## **5.0 DISCUSSION**

Based on the results of this survey, floor tile and floor tile mastic in the HLM buildings has been identified as regulated asbestos-containing material. Any material that contains more than one percent (1%) asbestos is considered an asbestos-containing material and is subject to regulation as an ACM. Floor tile is regulated as Category I non-friable ACM, and floor tile mastic is regulated as Category II non-friable ACM. The asbestos-containing floor tile and mastic in the HLM buildings appears to be limited to the southern half of the first floor of Building 1.

The floor tile and mastic that contains asbestos does not need to be removed from the building if it is appropriately maintained. If more than 160 square feet of asbestos-containing floor tile and mastic are to be removed, and the removal is done such that the ACM will be reduced to powder (i.e., become “friable”) during the removal process, a 10-day notification to the Michigan Department of Environmental Quality (MDEQ) and Michigan Department of Licensing and Regulatory Affairs (LARA) is required pursuant to NESHAP, 40 CFR Part 61, Subpart M. If floor tile and mastic are removed in a manner that does not involve grinding, cutting, abrading, or pulverizing and there is no potential for the ACM to become friable during removal, no notification is required.

Asbestos containing insulating mud was found to be present on approximately 4 individual fittings on a single 5-inch pipe above the men’s bathroom on the first floor of Building 2. No other mudded pipe fittings were identified in either Building 1 or Building 2 during the survey. Pipe insulating mud is regulated as a friable asbestos-containing material. This material does not need to be removed from the building if it is properly maintained. If this material is to be removed from the building, it is exempt from NESHAP notification requirements because less than 10 lineal feet of material are present in the building (40 CFR, Part 61.145, Paragraph A).

Any removal activities of asbestos-containing floor tile, mastic, or pipe insulating mud should be performed by qualified personnel, regardless of notification requirements.

Horizon performed non-destructive sampling during this survey and the potential exists for concealed ACMs to be present in inaccessible portions of the building. For example, it is possible that asphaltic roofing materials that contain asbestos are present beneath the synthetic rubber membrane on the roof. The rubber membrane was not cut or otherwise disturbed during the survey in order to preserve the integrity of the roof. If during future renovations suspect ACM is encountered, it should be sampled to verify the absence or presence of asbestos.

## ***TABLE***

---



**TABLE 1**

**SUMMARY OF ASBESTOS ANALYTICAL RESULTS**  
**5704 MILLETT HIGHWAY, LANSING, MICHIGAN**  
**December 2011**

<b>SAMPLE NUMBER</b>	<b>SAMPLE DESCRIPTION</b>	<b>SAMPLE LOCATION</b>	<b>PERCENT ASBESTOS</b>
<b>Building 1, Floor 1</b>			
FE-ACM-B1-F1-01	2'x2' white ceiling tile	North of office 1	NAD
FE-ACM-B1-F1-02	12"x12" gray floor tile	North of office 1	2%
Layer 1	Black mastic		2%
Layer 2			
FE-ACM-B1-F1-03	Yellow carpet adhesive	North of office 1	NAD
FE-ACM-B1-F1-04	Yellow carpet adhesive	North of office 1	NAD
FE-ACM-B1-F1-05	Compressed fiber wall	Ceiling between office 1 and office 2	NAD
FE-ACM-B1-F1-06	12"x12" gray floor tile	North of front entry	NAD
Layer 1	Black mastic		2%
Layer 2			
FE-ACM-B1-F1-07	12"x12" brown floor tile	North of front entry	3%
Layer 1	Black mastic		4%
Layer 2			
FE-ACM-B1-F1-08	12"x12" green floor tile	North of offices/east of kitchen	NAD
Layer 1	Black mastic		NAD
Layer 2			
FE-ACM-B1-F1-09	Drywall, white granular	Kitchen wall	NAD
Layer 1	Drywall, brown fibrous		NAD
Layer 2			
FE-ACM-B1-F1-10	2'x4' white ceiling tile	Ceiling adjacent to kitchen wall	NAD
FE-ACM-B1-F1-11	Window caulk	Old window, east wall	NAD
FE-ACM-B1-F1-12	Red leveling compound	North of office 2	NAD
FE-ACM-B1-F1-13	12"x12"light blue floor tile	Unisex restroom	NAD
FE-ACM-B1-F1-14	Black mastic	Unisex restroom	NAD
FE-ACM-B1-F1-15	2'x2' white ceiling tile	Unisex restroom	NAD
FE-ACM-B1-F1-16	Window caulk	Old window, north wall	NAD
FE-ACM-B1-F1-17	Sprayed-on insulation	Attached warehouse, east wall	NAD
FE-ACM-B1-F1-18	Sprayed-on insulation	Attached warehouse, north wall	NAD
FE-ACM-B1-F1-19	Sprayed-on insulation	Attached warehouse, west wall	NAD
FE-ACM-B1-F1-44	12"x12" gray floor tile	North of receptionist raised platform	NAD
Layer 1	Black mastic		NAD
Layer 2			
FE-ACM-B1-F1-45	12"x12" brown floor tile	North of receptionist raised platform	4%
Layer 1	Black mastic		2%
Layer 2			
<b>Building 1, Floor 2</b>			
FE-ACM-B1-F2-33	12"x12" brown floor tile	Hallway near freight elevator	NAD

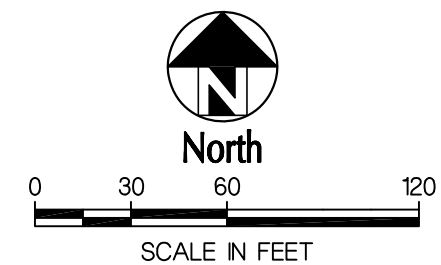
**TABLE 1**  
**SUMMARY OF ASBESTOS ANALYTICAL RESULTS**  
**5704 MILLETT HIGHWAY, LANSING, MICHIGAN**  
**December 2011**

<b>SAMPLE NUMBER</b>	<b>SAMPLE DESCRIPTION</b>	<b>SAMPLE LOCATION</b>	<b>PERCENT ASBESTOS</b>
<b>Building 1, Floor 2 (continued)</b>			
FE-ACM-B1-F2-34 Layer 1 Layer 2	12"x12" beige floor tile Black mastic	Hallway near freight elevator	NAD NAD
FE-ACM-B1-F2-35 Layer 1 Layer 2	Brown baseboard Baseboard adhesive	Hallway near freight elevator	NAD NAD
FE-ACM-B1-F2-36	White wall compound	Hallway near freight elevator	NAD
FE-ACM-B1-F2-37	12"x12" beige floor tile	Room in back of office	NAD
FE-ACM-B1-F2-38	Black Mastic	Room in back of office	NAD
FE-ACM-B1-F2-39	Drywall	Lobby	NAD
FE-ACM-B1-F2-40	Drywall mud	Electrical closet	NAD
FE-ACM-B1-F2-41	Baseboard adhesive	Conference room	NAD
FE-ACM-B1-F2-42	2'x2' white ceiling tile	Men's restroom	NAD
FE-ACM-B1-F2-43 Layer 1 Layer 2	Baseboard Baseboard adhesive	Office next to passenger elevator	NAD NAD
<b>Building 1, Floor 3</b>			
FE-ACM-B1-F3-20	Black floor coating	East side of boiler room	NAD
FE-ACM-B1-F3-21	Black floor coating	West side of boiler room	NAD
FE-ACM-B1-F3-22	Drywall mud	East side of boiler room	NAD
FE-ACM-B1-F3-23	Window caulk	North wall	NAD
<b>Building 2, Basement</b>			
FE-ACM-B2-B-32	Wall insulation	"Wooden" mechanical room	NAD
<b>Building 2, Floor 1</b>			
FE-ACM-B2-F1-26 Layer 1 Layer 2	Drywall, white granular Drywall, brown fibrous	Northeast office	NAD NAD
FE-ACM-B2-F1-27 Layer 1 Layer 2	12"x12" gray floor tile Black mastic	Men's restroom	NAD NAD
FE-ACM-B2-F1-28	2'x2' white ceiling tile	Men's restroom	NAD
FE-ACM-B2-F1-29	Pipe wrap	Men's restroom	NAD
FE-ACM-B2-F1-30	Pipe insulation	Men's restroom	8%
FE-ACM-B2-F1-31	Window caulk	West window	NAD
<b>Building 2, Floor 2</b>			
FE-ACM-B2-F2-25	Window caulk	Window in NE corner (north wall)	NAD
<b>Building 2, Floor 3</b>			
FE-ACM-B3-F3-24	Window Caulk	Window in NE corner (east wall)	NAD

NAD – No Asbestos Detected

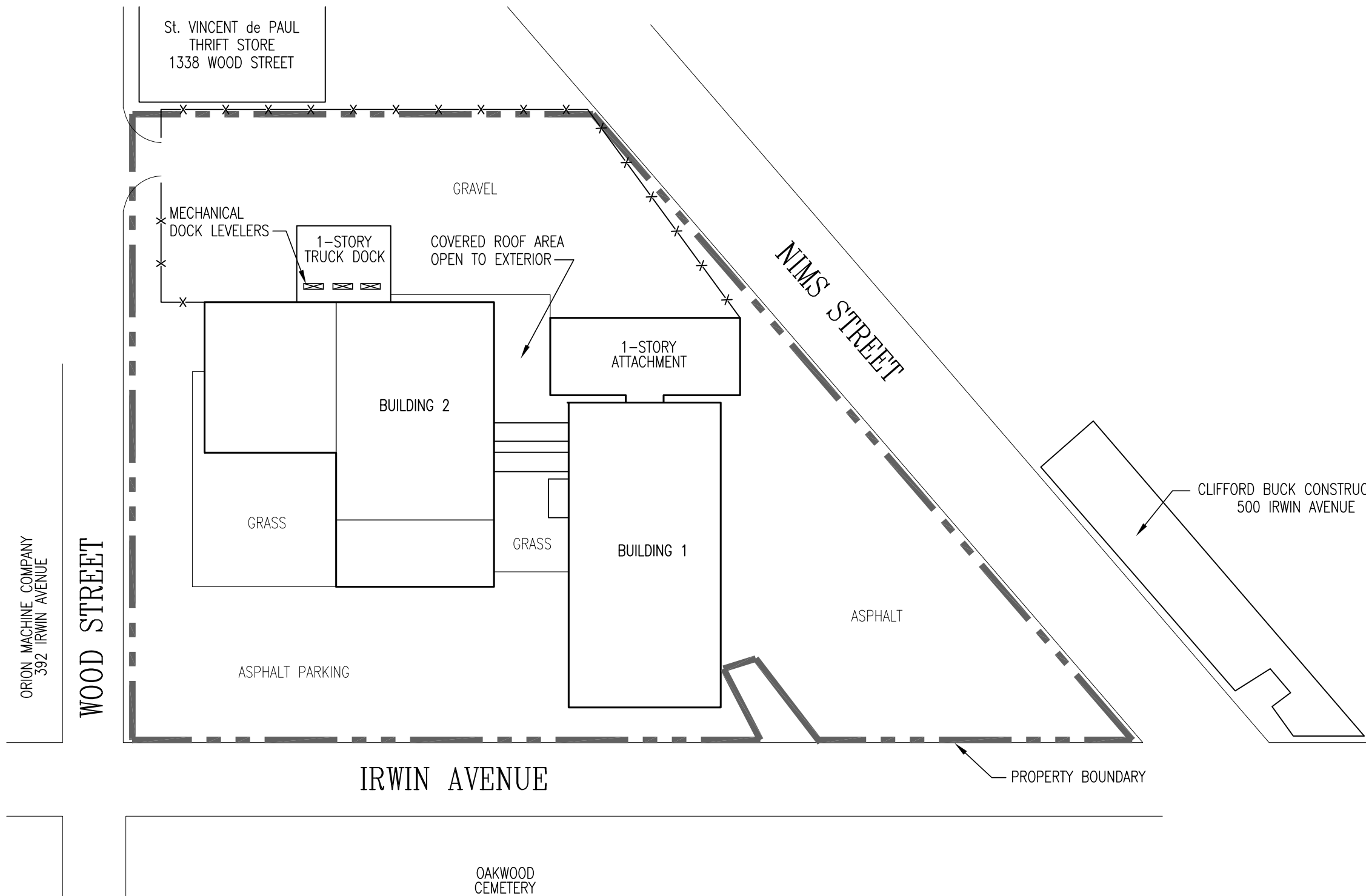
## ***FIGURES***

---



LEGEND:

- - - - - PROPERTY LINE
- x - x - FENCE
- BUILDING 1 - THREE STORIES NO BASEMENT
- BUILDING 2 - THREE STORIES WITH BASEMENT



**HORIZON ENVIRONMENTAL**

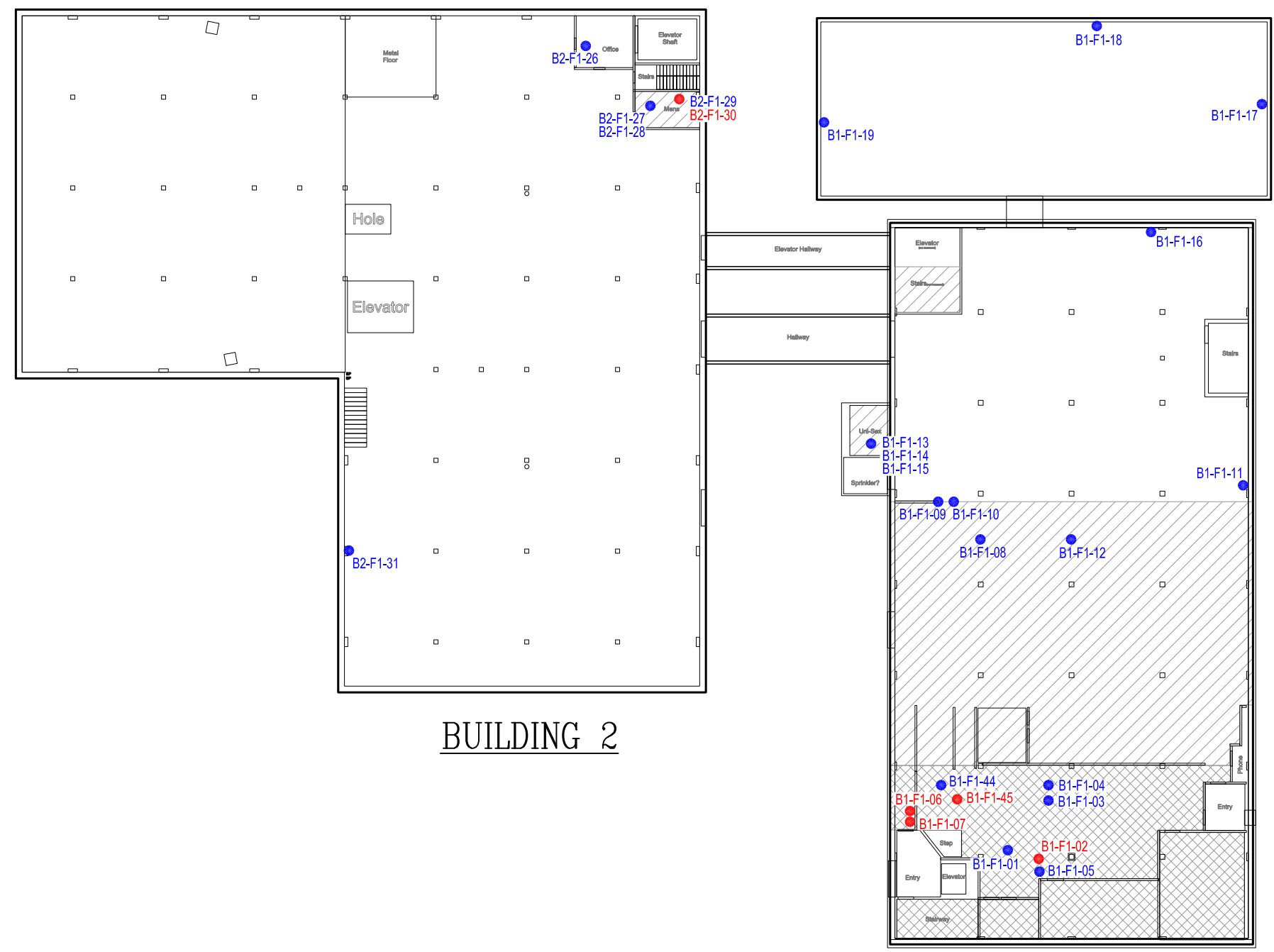
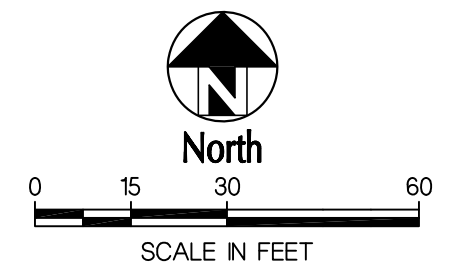
**444 Irwin Avenue  
Muskegon, Michigan**

**SITE MAP**

PROJECT NUMBER:  
**MUS-1401**

FIGURE:  
**1**  
JANUARY 2012

J:\Lvanprooyen\DWGS\MUS\1401\MUS1401F02.dwg, 1/6/2012 8:47:23 AM



LEGEND:

- - NON-ASBESTOS SAMPLE
- - ASBESTOS-CONTAINING SAMPLE
- ▨ - 12" x 12" FLOOR TILE
- ▩ - DOUBLE LAYERED FLOOR TILE

NOTE: BASE DRAWING OBTAINED FROM GRAPHICS HOUSE IMAGING, MUSKEGON, MICHIGAN.

FIRST FLOOR

BUILDING 1

BUILDING 2

HORIZON ENVIRONMENTAL

444 Irwin Avenue  
Muskegon, Michigan

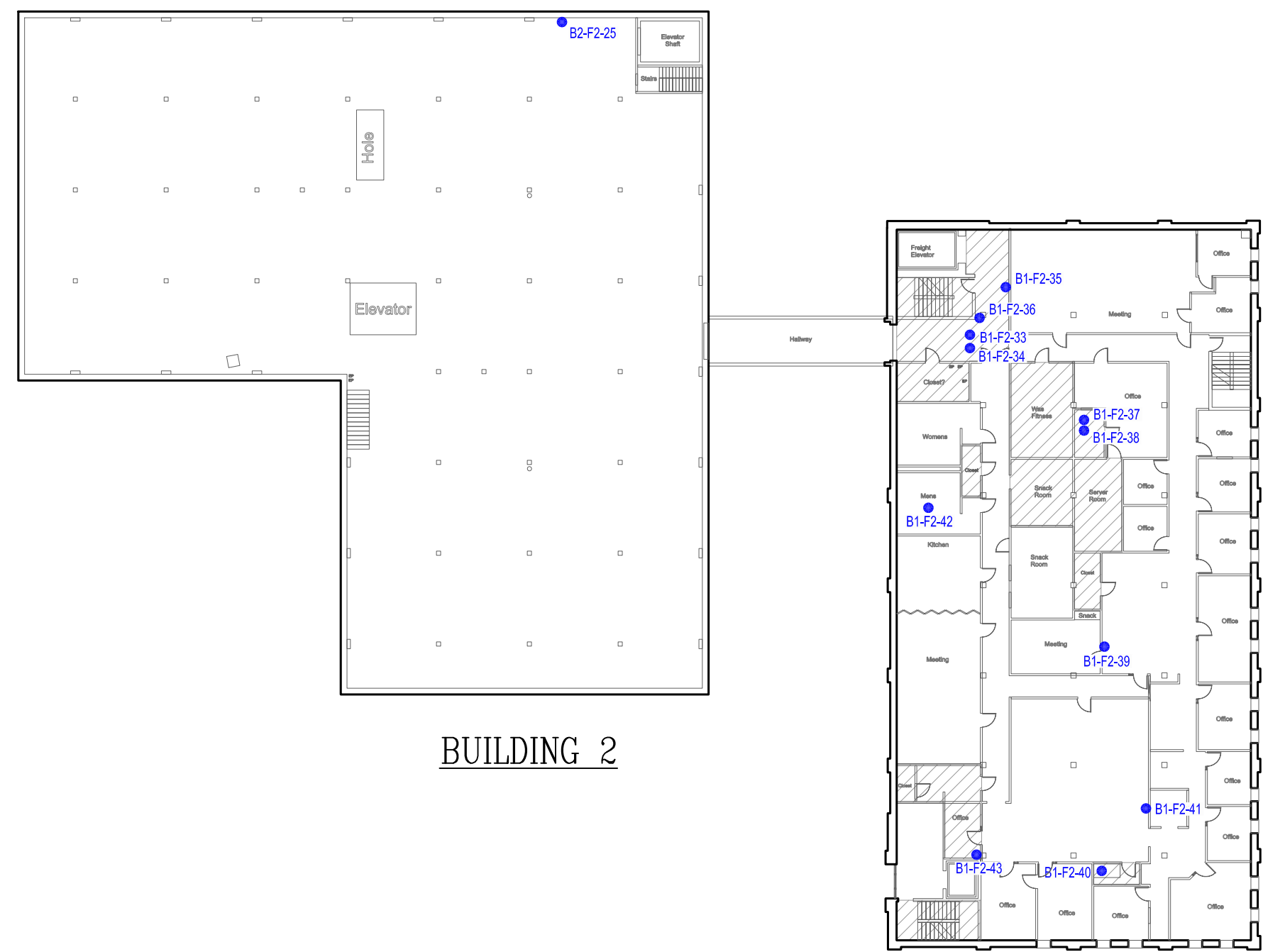
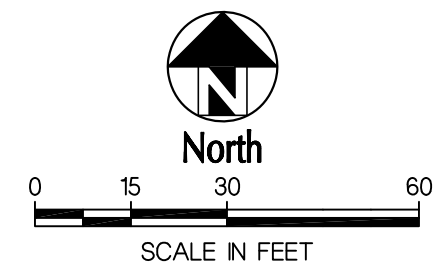
ASBESTOS SAMPLE LOCATIONS  
FIRST FLOOR

PROJECT NUMBER:  
MUS-1401

FIGURE:

2

JANUARY 2012



BUILDING 2

BUILDING 1

LEGEND:

- - NON-ASBESTOS CONTAINING SAMPLE
- ▨ - 12" x 12" FLOOR TILE

NOTE: BASE DRAWING OBTAINED FROM GRAPHICS HOUSE IMAGING, MUSKEGON, MICHIGAN.

SECOND FLOOR

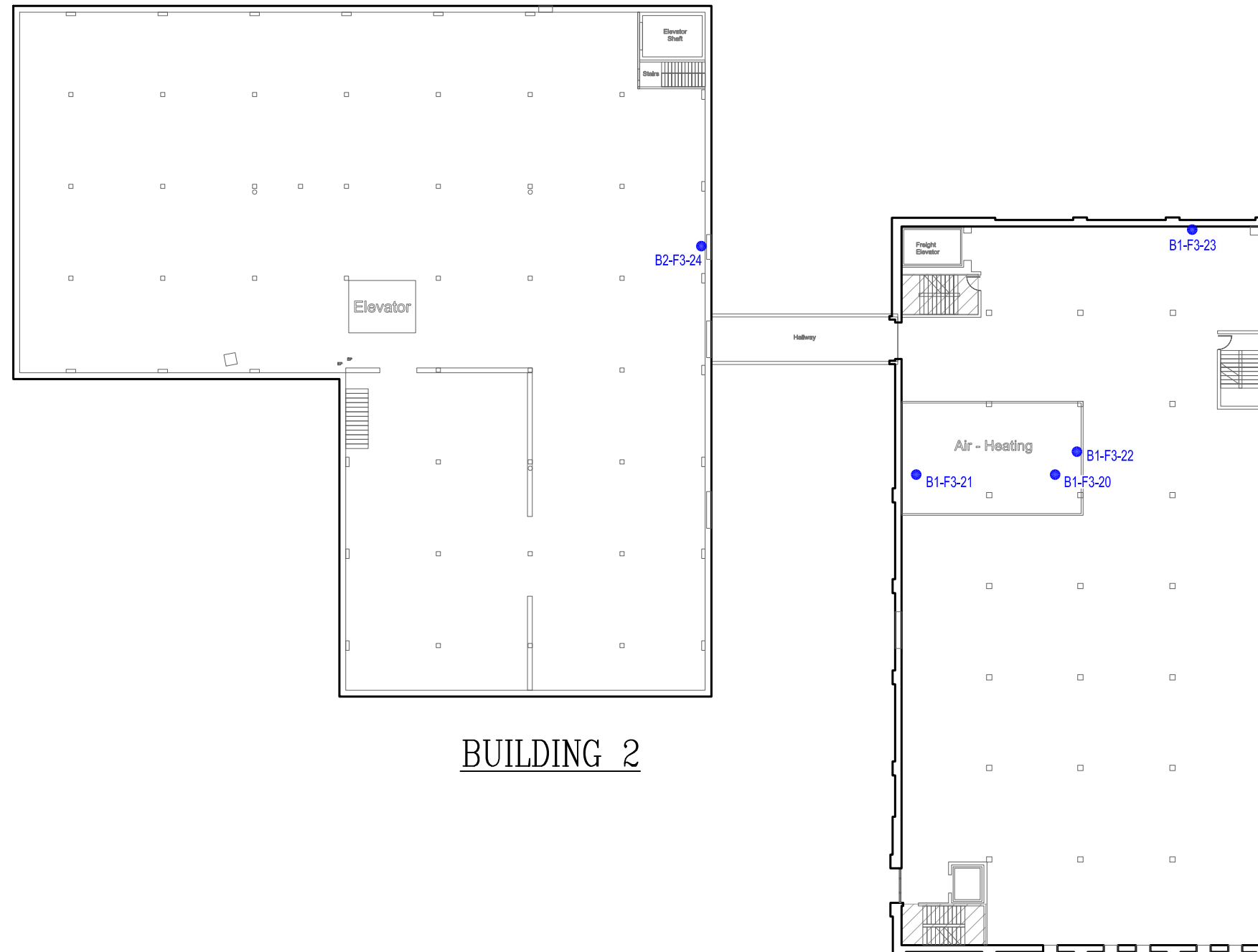
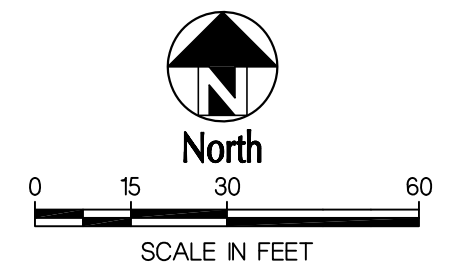
**HORIZON ENVIRONMENTAL**

**444 Irwin Avenue  
Muskegon, Michigan**

**ASBESTOS SAMPLE LOCATIONS  
SECOND FLOOR**

PROJECT NUMBER:  
**MUS-1401**

FIGURE:  
**3**  
JANUARY 2012



BUILDING 2

BUILDING 1

LEGEND:

- - NON-ASBESTOS CONTAINING SAMPLE
- ▨ - 12" x 12" FLOOR TILE

NOTE: BASE DRAWING OBTAINED FROM GRAPHICS  
HOUSE IMAGING, MUSKEGON, MICHIGAN.

THIRD FLOOR

**HORIZON ENVIRONMENTAL**

444 Irwin Avenue  
Muskegon, Michigan

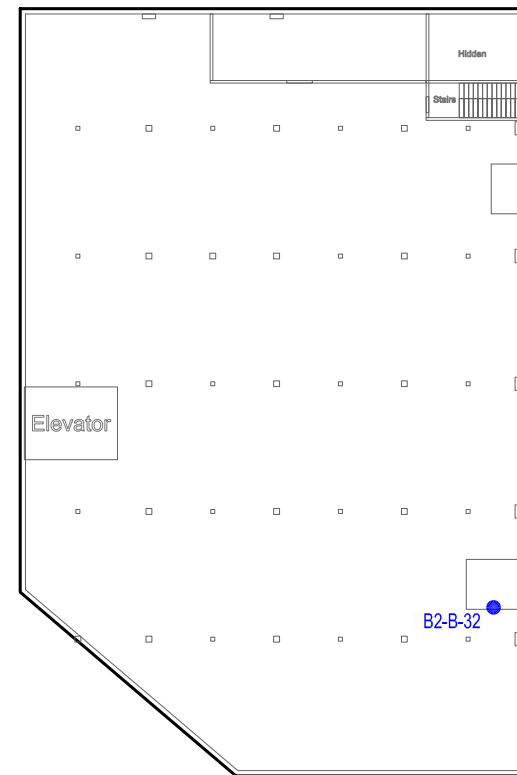
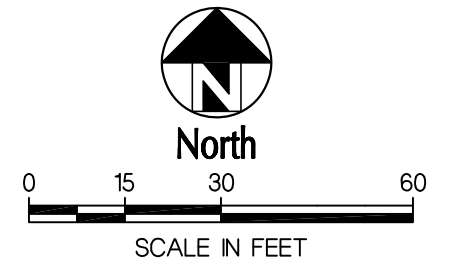
ASBESTOS SAMPLE LOCATIONS  
THIRD FLOOR

PROJECT NUMBER:  
MUS-1401

FIGURE:

**4**

JANUARY 2012



BUILDING 2

LEGEND:

● – NON-ASBESTOS CONTAINING SAMPLE

NOTE: BASE DRAWING OBTAINED FROM GRAPHICS  
HOUSE IMAGING, MUSKEGON, MICHIGAN.

BASEMENT

**H**ORIZON ENVIRONMENTAL

444 Irwin Avenue  
Muskegon, Michigan

ASBESTOS SAMPLE LOCATIONS  
BASEMENT

PROJECT NUMBER:  
MUS-1401

FIGURE:

**5**

JANUARY 2012



***ATTACHMENT 1***

---

***LABORATORY REPORT AND CHAINS-OF-CUSTODY***

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos Containing Portion	Analyst
FE-ACM-B1-F1-01	FE-ACM-B1-F1-01	White spongy material, 2' x 2' white acoustic ceiling tile.	NAD	Non-fibrous material >99% Cellulose fibers <1%	JAW
FE-ACM-B1-F1-02	FE-ACM-B1-F1-02	Brown rubbery material, 12" x 12" gray floor tile. Layer 1 of 2.	Chrysotile 2%	Non-fibrous material 96% Cellulose fibers 2%	JAW
FE-ACM-B1-F1-02	FE-ACM-B1-F1-02	Black asphaltic material, 12" x 12" gray floor tile black mastic. Layer 2 of 2.	Chrysotile 2%	Non-fibrous material 95% Cellulose fibers 3%	JAW
FE-ACM-B1-F1-03	FE-ACM-B1-F1-03	Brown brittle material, yellow carpet adhesive.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
FE-ACM-B1-F1-04	FE-ACM-B1-F1-04	Brown brittle material, yellow carpet adhesive.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
FE-ACM-B1-F1-05	FE-ACM-B1-F1-05	White brittle material, compressed fiber walls.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F1-06	FE-ACM-B1-F1-06	Light green rubbery material, 12" x 12" gray floor tile. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B1-F1-06	FE-ACM-B1-F1-06	Black asphaltic material, 12" x 12" gray floor tile black mastic. Layer 2 of 2.	Chrysotile 2%	Non-fibrous material 90% Cellulose fibers 8%	JAW
FE-ACM-B1-F1-07	FE-ACM-B1-F1-07	Brown cementitious material, 12" x 12" brown floor tile. Layer 1 of 2.	Chrysotile 3%	Non-fibrous material 94% Cellulose fibers 3%	JAW
FE-ACM-B1-F1-07	FE-ACM-B1-F1-07	Black asphaltic material, 12" x 12" brown floor tile black mastic. Layer 2 of 2.	Chrysotile 4%	Non-fibrous material 90% Cellulose fibers 6%	JAW
FE-ACM-B1-F1-08	FE-ACM-B1-F1-08	Green cementitious material, 12" x 12" green floor tile. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
FE-ACM-B1-F1-08	FE-ACM-B1-F1-08	Black asphaltic material, 12" x 12" green floor tile black mastic. Layer 2 of 2.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
FE-ACM-B1-F1-09	FE-ACM-B1-F1-09	White granular material, drywall. Layer 1 of 2.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
FE-ACM-B1-F1-09	FE-ACM-B1-F1-09	Brown fibrous material, drywall. Layer 2 of 2.	NAD	Cellulose fibers 92% Non-fibrous material 8%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B1-F1-10	FE-ACM-B1-F1-10	White fibrous material, 2' x 4' white ceiling tile.	NAD	Cellulose fibers 40% Non-fibrous material 35% Fibrous glass 25%	JAW
FE-ACM-B1-F1-11	FE-ACM-B1-F1-11	Gray cementitious material, window caulk.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
FE-ACM-B1-F1-12	FE-ACM-B1-F1-12	Red tabular material, red leveling compound.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F1-13	FE-ACM-B1-F1-13	Light blue cementitious material, 12" x 12" light blue floor tile.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F1-14	FE-ACM-B1-F1-14	Black asphaltic material, black mastic.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
FE-ACM-B1-F1-15	FE-ACM-B1-F1-15	White fibrous material, 2' x 2' white ceiling tile.	NAD	Cellulose fibers 40% Fibrous glass 40% Non-fibrous material 20%	JAW
FE-ACM-B1-F1-16	FE-ACM-B1-F1-16	Brown cementitious material, window caulk.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B1-F1-17	FE-ACM-B1-F1-17	White fibrous material, blown on insulation.	NAD	Cellulose fibers 60% Non-fibrous material 40%	JAW
FE-ACM-B1-F1-18	FE-ACM-B1-F1-18	White fibrous material, blown on insulation.	NAD	Cellulose fibers 65% Non-fibrous material 35%	JAW
FE-ACM-B1-F1-19	FE-ACM-B1-F1-19	White fibrous material, blown on insulation.	NAD	Cellulose fibers 70% Non-fibrous material 30%	JAW
FE-ACM-B1-F3-20	FE-ACM-B1-F3-20	Black rubbery material, black floor coating.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F3-21	FE-ACM-B1-F3-21	Black rubbery material, black floor coating.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
FE-ACM-B1-F3-22	FE-ACM-B1-F3-22	White cementitious material, drywall mud.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F3-23	FE-ACM-B1-F3-23	Red cementitious material, window caulk.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011  
Date Submitted: 12/23/2011  
Date Analyzed: 12/27-28/2011

Client P.O. #: N/A  
C.O.C. #: 00001

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B2-F3-24	FE-ACM-B2-F3-24	Gray cementitious material, window caulk.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
FE-ACM-B2-F2-25	FE-ACM-B2-F2-25	Gray cementitious material, window caulk.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B2-F1-26	FE-ACM-B2-F1-26	White granular material, drywall. Layer 1 of 2.	NAD	Non-fibrous material 93% Cellulose fibers 7%	JAW
FE-ACM-B2-F1-26	FE-ACM-B2-F1-26	Brown fibrous material, drywall. Layer 2 of 2.	NAD	Cellulose fibers 86% Non-fibrous material 14%	JAW
FE-ACM-B2-F1-27	FE-ACM-B2-F1-27	Gray cementitious material, 12" x 12" gray floor tile. Layer 1 of 2.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B2-F1-27	FE-ACM-B2-F1-27	Brown rubbery material, 12" x 12" gray floor tile mastic. Layer 2 of 2.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
FE-ACM-B2-F1-28	FE-ACM-B2-F1-28	White fibrous material, 2' x 2' white ceiling tile.	NAD	Cellulose fibers 55% Fibrous glass 35% Non-fibrous material 10%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B2-F1-29	FE-ACM-B2-F1-29	Brown fibrous material, pipe wrap.	NAD	Cellulose fibers 75% Non-fibrous material 25%	JAW
FE-ACM-B2-F1-30	FE-ACM-B2-F1-30	White fibrous material, pipe insulation.	Chrysotile 8%	Non-fibrous material 82% Cellulose fibers 10%	JAW
FE-ACM-B2-F1-31	FE-ACM-B2-F1-31	Brown cementitious material, window caulk.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B2-B1-32	FE-ACM-B2-B1-32	White fibrous material, wall insulation.	NAD	Fibrous glass 70% Non-fibrous material 24% Cellulose fibers 6%	JAW
FE-ACM-B1-F2-33	FE-ACM-B1-F2-33	Brown cementitious material, 12" x 12" brown floor tile.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F2-34	FE-ACM-B1-F2-34	Beige cementitious material, 12" x 12" beige floor tile. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
FE-ACM-B1-F2-34	FE-ACM-B1-F2-34	Brown rubbery material, 12" x 12" beige floor tile yellow mastic. Layer 2 of 2.	NAD	Non-fibrous material 95% Cellulose fibers 5%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B1-F2-35	FE-ACM-B1-F2-35	Brown rubbery material, brown baseboard. Layer 1 of 2.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F2-35	FE-ACM-B1-F2-35	Brown brittle material, brown baseboard adhesive. Layer 2 of 2.	NAD	Non-fibrous material 96% Cellulose fibers 4%	JAW
FE-ACM-B1-F2-36	FE-ACM-B1-F2-36	White cementitious material, white wall compound.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F2-37	FE-ACM-B1-F2-37	Beige cementitious material, 12" x 12" beige floor tile.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F2-38	FE-ACM-B1-F2-38	Black asphaltic material, black mastic.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
FE-ACM-B1-F2-39	FE-ACM-B1-F2-39	White cementitious material, drywall.	NAD	Non-fibrous material 92% Cellulose fibers 8%	JAW
FE-ACM-B1-F2-40	FE-ACM-B1-F2-40	White cementitious material, drywall mud.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW



# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011 Client P.O. #: N/A  
Date Submitted: 12/23/2011 C.O.C. #: 00001  
Date Analyzed: 12/27-28/2011

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM-B1-F2-41	FE-ACM-B1-F2-41	Brown cementitious material, baseboard adhesive.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
FE-ACM-B1-F2-42	FE-ACM-B1-F2-42	White fibrous material, 2' x 2' white ceiling tile.	NAD	Cellulose fibers 50% Fibrous glass 35% Non-fibrous material 15%	JAW
FE-ACM-B1-F2-43	FE-ACM-B1-F2-43	Cream rubbery material, baseboard. Layer 1 of 2.	NAD	Non-fibrous material 97% Cellulose fibers 3%	JAW
FE-ACM-B1-F2-43	FE-ACM-B1-F2-43	Brown rubbery material, baseboard adhesive. Layer 2 of 2.	NAD	Non-fibrous material 94% Cellulose fibers 6%	JAW
FE-ACM-B1-F1-44	FE-ACM-B1-F1-44	Brown cementitious material, gray floor tile. Layer 1 of 2.	NAD	Non-fibrous material 98% Cellulose fibers 2%	JAW
FE-ACM-B1-F1-44	FE-ACM-B1-F1-44	Black asphaltic material, gray floor tile black mastic. Layer 2 of 2.	NAD	Non-fibrous material 95% Cellulose fibers 5%	JAW
FE-ACM-B1-F1-45	FE-ACM-B1-F1-45	Brown cementitious material, 12" x 12" brown floor tile. Layer 1 of 2.	Chrysotile 4%	Non-fibrous material 94% Cellulose fibers 2%	JAW

# BULK SAMPLE ANALYTICAL REPORT

Fibertec IHS Project #30829-1  
NVLAP Accreditation #101510-0

Client Name: Horizon Environmental Corp.  
Project Name: MUS-1401  
Summary: 45 Submitted Bulk Samples, 57 Sample Layers Analyzed.

Date Sampled: 12/21/2011  
Date Submitted: 12/23/2011  
Date Analyzed: 12/27-28/2011

Client P.O. #: N/A  
C.O.C. #: 00001

Fibertec Sample No.	Client I.D. No.	Description / Location	Asbestos Type	Non-Asbestos-Containing Portion	Analyst
FE-ACM- B1-F1-45	FE-ACM- B1-F1-45	Black asphaltic material, 12" x 12" brown floor tile black mastic. Layer 2 of 2.	Chrysotile 2%	Non-fibrous material 86% Cellulose fibers 12%	JAW

**Comments**

Bulk samples are analyzed using the USEPA Test Method EPA/600/R-93/116. The constituent percent reported represents an estimate of the area percent of the component. The test report relates only to items tested. This report is not intended to be used as a product endorsement by NVLAP or any agency of the U.S. Government. Fine fibers like those in floor tile may not be discernible by this method. This report shall not be reproduced, except in full, without the written approval of the laboratory. Individual sample layers are homogeneous, unless otherwise noted. Test items were received in acceptable condition. Revision 4.0 dated 12/8/2010.

If no asbestos was/were detected in the sample/samples the acronym NAD (no asbestos detected) will appear in the Asbestos Type column of the report.

Approved Signatory:  \_\_\_\_\_

Date: 12/28/2011



Analytical Laboratory  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0388  
email: lab@fibertec.us

Industrial Hygiene Services, Inc.  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0382  
email: asbestos@fibertec.us

Geoprobe  
11766 E. Grand River  
Brighton, MI 48116  
Phone: 810 220 3300  
Fax: 810 220 3311

Chain of Custody #  
00001

PAGE 1 of 5

Client Name: Horizon Environmental Corp.		Turnaround		Matrix Code	
Contact Person: Liz Bartz / David Bundlow		24 hour RUSH (surcharge applies)		S Soil	
Project Name/ Number: MUS-1401		48 hour RUSH (surcharge applies)		W Water	
		72 hour RUSH (surcharge applies)		SW Surface Water	
		Standard (5-7 bus. days)		A Air	
		Other: Specify		WW Waste Water	
				Oil X	
				P Wipe	
				Buildings	
				Materials	
Purchase Order #		Remarks:			
Lab Sample #	Date	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS
12/24/11	12/24/11	FE-AM-B1-F1-01	2' x 2' white acoustic ceiling tile	X	1
		FE-AM-B1-F1-02	12" x 12" gray floor tile w/ black mesh	X	1
		FE-AM-B1-F1-03	Yellow Carpet Adhesive	X	1
		FE-AM-B1-F1-04	Yellow Carpet Adhesive	X	1
		FE-AM-B1-F1-05	Compressed Fiber Walls	X	1
		FE-AM-B1-F1-06	12" x 12" gray floor tile w/ black mesh	X	1
		FE-AM-B1-F1-07	12" x 12" brown floor tile w/ black mesh	X	1
		FE-AM-B1-F1-08	12" x 12" green floor tile w/ black mesh	X	1
		FE-AM-B1-F1-09	Dry wall	X	1
		FE-AM-B1-F1-10	2' x 4' white ceiling tile	X	1

Comments: Please Analyze Multiple Layers where applicable  
Please send report to both eulbartz@horizonenv.com and dbundlow@horizonenv.com

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	12/24/11 10:00	<i>[Signature]</i>	12/23/11 10:30 a.m.
Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By Laboratory:	Date/Time

LAB USE ONLY:  
Fibertec project number:  
Laboratory Tracking:  
Temperature of Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK



Analytical Laboratory  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0388  
email: lab@fibertec-us

Industrial Hygiene Services, Inc.  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0382  
email: asbestos@fibertec.us

Geoprobe  
11766 E. Grand River  
Brighton, MI 48116  
Phone: 810 220 3300  
Fax: 810 220 3311

Chain of Custody #  
00001

PAGE 2 of 5

Client Name: Horizon Environmental Corp.			
Contact Person: Liz Bartz / David Bundlow			
Project Name/ Number: MUS-1401			
Purchase Order #			
Lab Sample #	Date	Client Sample #	Client Sample Descriptor
	12/20/11	FE-ALM-B1-F1-11	Window Caulk
		FE-ALM-B1-F1-12	Red leveling Compound
		FE-ALM-B1-F1-13	12"x12" light blue floor tile
		FE-ALM-B1-F1-14	Black Mastic
		FE-ALM-B1-F1-15	2'x2' White Ceiling Tile
		FE-ALM-B1-F1-16	Window Caulk
		FE-ALM-B1-F1-17	Blown on insulation
		FE-ALM-B1-F1-18	Blown on insulation
		FE-ALM-B1-F1-19	Blown on insulation
		FE-ALM-B1-F3-20	Black Floor Coating
Comments: Please Analyze Multiple Layers where applicable Please send report to both eubartz@horizonenvi.com and dbundlow@horizonenvi.com			
Relinquished By: <i>David Bundlow</i>		Date/Time: 12/24/11 10:00	Received By: <i>David Bundlow</i>
Relinquished By:		Date/Time:	Received By:
Relinquished By:		Date/Time:	Received By Laboratory:
LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt:			

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK



Analytical Laboratory  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0388  
email: lab@fibertec.us

Industrial Hygiene Services, Inc.  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0382  
email: asbestos@fibertec.us

Geoprobe  
11766 E. Grand River  
Brighton, MI 48116  
Phone: 810 220 3300  
Fax: 810 220 3311

Chain of Custody #  
00001

PAGE 3 of 5

Client Name: Horizon Environmental Corp.			PARAMETERS			Turnaround			Matrix Code					
Contact Person: Liz Bartz / David Bandlow						24 hour RUSH (surcharge applies)			S Soil			GW Ground Water		
Project Name/ Number: MUS-1401						48 hour RUSH (surcharge applies)			W Water			SW Surface Water		
						72 hour RUSH (surcharge applies)			A Air			WW Waste Water		
						Standard (5-7 bus. days)			O Oil			Other: Specify		
						Other: Specify			P Wipe			Building Materials		
Purchase Order #			MATRIX (SEE RIGHT CORNER FOR CODE)			# OF CONTAINERS			PRESERVED (Y/N)			Remarks:		
Lab Sample #	Date	Client Sample #	Client Sample Descriptor											
12/28/11	FE-ALM-B 1-F3-21		Black Floor Coating	X	1	N	✓	Asbestos						
	FE-ALM-B 1-F3-22		Drywall Mud	X	1	N	✓							
	FE-ALM-B 1-F3-23		Window Caulk	X	1	N	✓							
	FE-ALM-B 2-F3-24		Window Caulk	X	1	N	✓							
	FE-ALM-B 2-F2-25		Window Caulk	X	1	N	✓							
	FE-ALM-B 2-F1-26		Drywall	X	1	N	✓							
	FE-ALM-B 2-F1-27		12" x 12" Gray Floor Tile	X	1	N	✓							
	FE-ALM-B 2-F1-28		2' x 2' White Ceiling Tile	X	1	N	✓							
	FE-ALM-B 2-F1-29		Pipe Wrap	X	1	N	✓							
	FE-ALM-B 2-F1-30		Pipe Insulation	X	1	N	✓							
Comments: Please Analyze Multiple Layers Where Applicable														
Please send report to both envbartz@horizonenv.com and dbandlow@horizonenv.com														
Relinquished By: [Signature]			Date/ Time: 12/29/11 10:00			Received By: [Signature]			Date/ Time: 12/23/11 10:30 a.m.					
Relinquished By:			Date/ Time:			Received By:			Date/ Time:					
Relinquished By:			Date/ Time:			Received By Laboratory:			Date/ Time:					
LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt:														
COC Revision: April, 2006														

TERMS & CONDITIONS ON BACK



Analytical Laboratory  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0388  
email: [lab@fibertec.us](mailto:lab@fibertec.us)

Industrial Hygiene Services, Inc.  
1914 Holloway Drive  
Holt, MI 48842  
Phone: 517 699 0345  
Fax: 517 699 0382  
email: [asbestos@fibertec.us](mailto:asbestos@fibertec.us)

Geoprobe  
11766 E. Grand River  
Brighton, MI 48116  
Phone: 810 220 3300  
Fax: 810 220 3311

Chain of Custody #  
00001

PAGE 4 of 5

Client Name: Horizon Environmental Corp.		
Contact Person: Liz Burtz / David Bundlow		
Project Name/ Number: MUS-1401		
Purchase Order#		
Lab Sample #	Date	Client Sample #
12/24/11	FE-AUM-B2-F1-31	Window Caulk
	FE-AUM-B2-B-32	Wall Insulation
	FE-AUM-B1-F2-33	12" x 12" Brown Floor Tile
	FE-AUM-B1-F2-34	12" x 12" Beige Floor Tile w/ Yellow Mastic
	FE-AUM-B1-F2-35	Brown Baseboard & Adhesive
	FE-AUM-B1-F2-36	White Wall Compound
	FE-AUM-B1-F2-37	12" x 12" Beige Floor Tile
	FE-AUM-B1-F2-38	Black Mastic
	FE-AUM-B1-F2-39	Drywall
	FE-AUM-B1-F2-40	Drywall Mud

Comments: Please Analyze Multiple Layers where applicable  
Please send reports to both [lab@horizonenvi.com](mailto:lab@horizonenvi.com) and [bandb@horizonenvi.com](mailto:bandb@horizonenvi.com)

Lab Sample #	Date	Client Sample #	Client Sample Description	Matrix (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS	Turnaround	Matrix Code
								24 hour RUSH (surcharge applies)	S Soil
								48 hour RUSH (surcharge applies)	W Water
								72 hour RUSH (surcharge applies)	SW Surface Water
								Standard (67 bus. days)	WW Waste Water
								Other Specify	A Air
									O Oil
									P Wipe

Remarks:

Building Materials

Relinquished By:	Date/ Time	Received By:	Date/ Time
<i>David Bundlow</i>	12/27/11 10:00	<i>C. Gudest</i>	12/27/11 10:30 a.m.

LAB USE ONLY:  
Fibertec project number:  
Laboratory Tracking:  
Temperature at Receipt:

TERMS & CONDITIONS ON BACK

COC Revision: April, 2006

[illegible]

TERMS &amp; CONDITIONS ON BACK